

## **On-Chip Inter-Subsystem Communication Including Data Traffic Routing**

### ABSTRACT OF THE DISCLOSURE

5

In an integrated circuit, a data traffic router includes a number of multiplexors and a controller, coupled to each other, and to subsystems of the IC. The subsystems selectively output to each other. The data traffic router selectively configures itself to provide paths for the outputs to reach their destinations, to

10 facilitate concurrent communications between selected combinations of the subsystems.